

# Technical Manual

## L830 Studio™ L Series



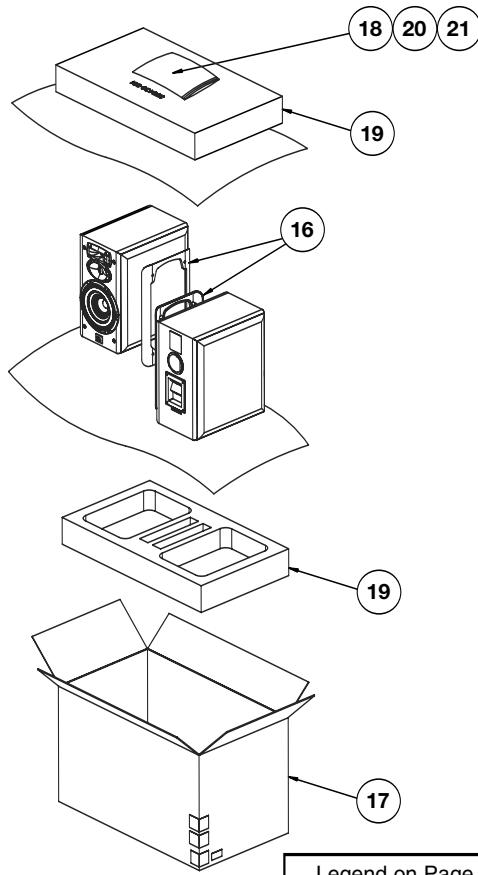
### ACOUSTIC & ELECTRICAL SPECIFICATIONS:

• Nominal Impedance	8 ohms
• Max Amp Power	150 watts*
• Frequency Response	48Hz – 40kHz ( $\pm 3$ dB)
• Sensitivity	90dB (2.83V @ 1 meter)
• Crossover Frequencies	2500Hz, 20kHz

### SYSTEM COMPONENTS:

• Grille	353229-001
• Low-Frequency Transducer	6" (152mm) PolyPlas™ cone, shielded (335148-002)
DC Resistance	4.8 ohms $\pm 10\%$
• High-Frequency Transducer	1" (25mm) Pure-titanium dome (353237-001)
DC Resistance	3.3 ohms $\pm 10\%$
• Ultrahigh-Frequency Transducer	3/4" (19mm) Mylar® dome (353107-001)
DC Resistance	3.6 ohms $\pm 10\%$
• Crossover Network	353440-001

### PACKAGING



Legend on Page 2

### AURAL SWEEP TEST SPECIFICATIONS:

• System Aural Sweep Test	6.0V Input 50Hz to 20kHz
• L.F. Aural Sweep Test	5.0V Input 50Hz to 3kHz
• H.F. Aural Sweep Test	2.83V Input 2kHz to 20kHz
• U.H.F. Aural Sweep Test	n/a

### PHYSICAL SPECIFICATIONS:

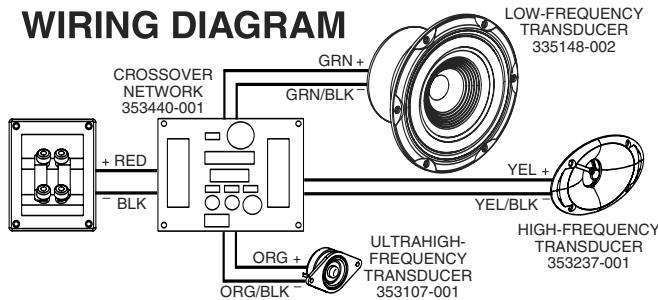
• Enclosure dimensions (H x W x D)	15-1/4" x 8-3/4" x 12-3/4" (385mm x 222mm x 320mm)
• Weight	44 lb (20kg) Sold in Pairs

### WARRANTY:

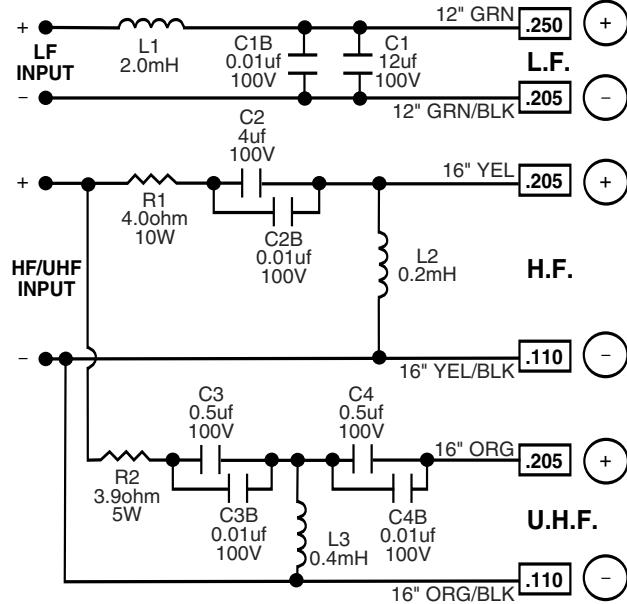
- Refer to Warranty Statement packed with each product.

\* The maximum recommended amplifier power rating will ensure proper system headroom to allow for occasional peaks. We do not recommend sustained operation at these maximum power levels.

### WIRING DIAGRAM



### L830 SCHEMATIC

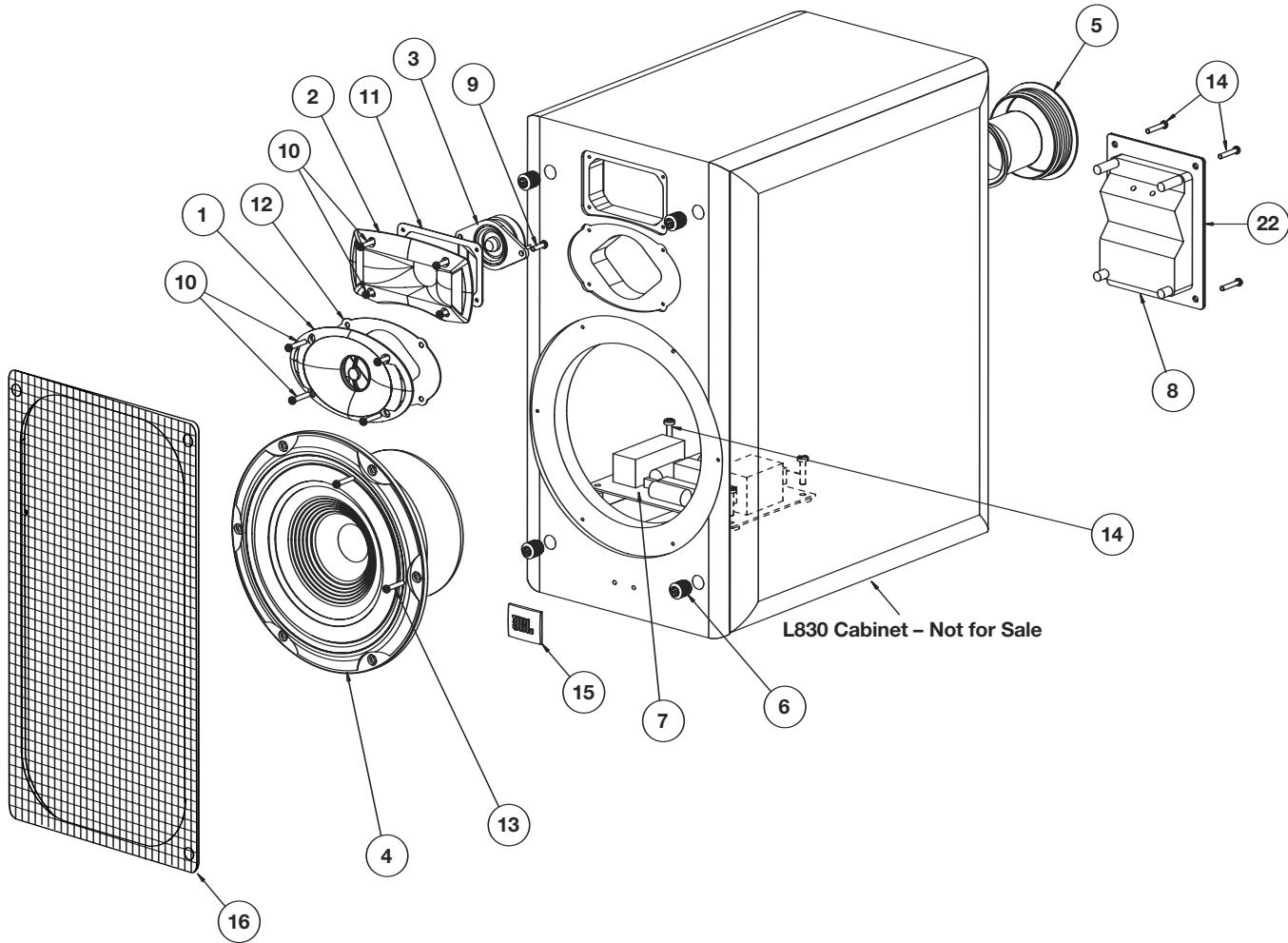


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### EXPLODED VIEW



Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	353237-001	HF TWEETER, ASSY, W/FACEPLATE	1	13	903802-012	SCREW (WOOFER) PB, HXS, #8X.75, ZINC	6
2	353133-001	HORN, UHF - STUDIO SERIES	1	14	903401-012	SCREW (NETWORK, TERM CUP)	8
3	353107-001	ASSY, TWEETER, UHF - STUDIO SERIES	1	15	353284-001	PB, PPH, #6X.75, BLK	
4	335148-002	ASSY, WFR, 6-1/2" - STUDIO L SERIES	1	16	353229-001	ASSY, LOGO - STUDIO L SERIES	1
5	352504-001	ASSY, PTB - STUDIO L830	1	17	353436-001	ASSY, GRILLE - STUDIO L830	1
6	333249-001	GRILLE CUP, BLACK	4	18	353334-001	OUTER CARTON, STUDIO L830, BLK	1
	333249-003	GRILLE CUP, BE & CH	4	19	353436-002	OUTER CARTON, STUDIO L830, BE	1
7	353440-001	CROSSOVER NETWORK L830	1	20	353436-003	OUTER CARTON, STUDIO L830, CH	1
8	351317-001	TERMINAL CUP, BI-WIRE, PLSTC-NE	1	21	330104-001	L830 OWNER'S MANUAL	1
9	900301-008	SCREW (UHF TWT) MS, PPH, 6-32X.5, BLK	2	22	CS06-6	PAD, END, TOP & BTM L830	2
10	908302-012	SCREW (HF TWT, UHF HORN)	8			WARRANTY CARD, JBL PASSIVE	1
		PB, HXS, #6X.75, ZINC				FOOT, BUMP-ON, 3M, SJ5744	8
11	353327-001	GSKT, TWEETER, UHF	1			NETWORK SHORTING STRAPS (SET)	1
12	353331-001	GSKT, TWEETER, HF	1				